

A CHECKLIST OF FISHES OCCURRING IN THE FRESH WATERS OF BARODA

BY

M. R. RANADE, M.Sc.,

Taraporevala Marine Biological Station, Bombay

The need for a comprehensive checklist of fishes occurring in sheets of fresh water in Baroda has long been felt, particularly in view of the recent emphasis on the development of freshwater fisheries in that area. A number of specimens have been recorded by Moses, but these records are scattered in different bulletins ^{1, 2} and reports ^{3, 4, 5} of the erstwhile Baroda Fisheries Department. They are also mixed up with the list of marine fishes. A complete list of freshwater forms including those previously recorded is, therefore, furnished. Twelve species belonging to four different families have been recorded by me for the first time from this area.

Another reason for publication of this list is the confusion caused by incorrect identification and wrong usage of local vernacular names in the 'Statistical Account of Fish Supply of Baroda City' by Moses¹. In this bulletin Moses identified 'Nagari' as *Labeo calbasu* and 'Bhagna' as *Cirrhina mrigala* and has shown a total catch of each as 27,998 lb. and 340 lb., respectively. In reality *Cirrhina mrigala* is found in abundance in Baroda and is the third best fish in quantity and value, whereas *Labeo calbasu* occurs in negligible quantities. Moses records 'Nagri' (*Labeo calbasu*) as the third best fish and 'Bhagna' (*Cirrhina mrigala*) as negligible. This difference is obviously due to incorrect identification. This would imply that the quantity shown by him against 'Nagari' actually pertains to *Cirrhina mrigala* and not to *Labeo calbasu*. Other mistakes in regard to scientific and local names have also been corrected in the following list.

A SYSTEMATIC LIST OF FISHES OF BARODA.

	<i>Scientific name</i>	<i>Local name</i>
Order :	Isospondyli	
Family :	Notopteridae	
	*1. <i>Notopterus notopterus</i> (Pallas)	... Patra
Order :	Ostariophysi	
Sub-order :	Siluroidea	
Family :	Heteropneustidae	
	*2. <i>Heteropneustus fossilis</i> (Bloch)	... Shingi
Family :	Siluridae	
	*3. <i>Ompok bimaculatus</i> (Bloch)	... Goongavaree
T* 4.	" <i>macrophthalmus</i> (Blyth)	... "
	*5. <i>Wallago attu</i> (Bloch)	... Padeen

	Scientific name	Local name
Family :	Bagridae	
T* 6.	<i>Clupisoma garua</i> (Ham.)	
*7.	<i>Mystus bleekeri</i> (Day)	... Katia
8.	" <i>cavasius</i> (Ham.)	... "
*9.	" <i>seenghala</i> (Sykes)	... Tengani
10.	" <i>gulio</i> (Ham.)	... Khaga
Sub-order :	Cyprinoidea	
Family :	Cyprinidae	
Sub-family :	Abramadinae	
*11.	<i>Chela clupeoides</i> (Bloch)	... Chal
*12.	" <i>bacaila</i> (Ham.)	... "
Sub-family :	Rasborinae	
*13.	<i>Barilius bendelisis</i> (Ham.)	... Jurva
T* 14.	" <i>barna</i> (Ham.)	... "
*15.	<i>Rasbora daniconius</i> (Ham.)	... Ranjan
*16.	" <i>buchanani</i> (Bleeker)	... Rajni
*17.	<i>Laubuca laubuca</i> (Ham.)	... Dindiya
*18.	<i>Esomus danrica</i> (Ham.)	... Ranjan
T* 19.	<i>Brachydanio rerio</i> (Ham.)	... "
T* 20.	<i>Danio malabaricus</i> (Jerdon)	... "
T* 21.	<i>Rasbora labiosa</i> (Mukerji)	... "
Sub-family :—	Cyprininae	
T* 22.	<i>Garra mullya</i> (Ham.)	... Maria
*23.	<i>Amblypharyngodon mola</i> (Ham.)	... Melwa
*24.	<i>Barbus</i> (<i>Tor</i>) sp. ?	... Kudna
*25.	" (<i>Puntius</i>) <i>sarana</i> (Ham.)	... Darayi
26.	" " <i>chola</i> (Ham.)	... Dhebri
27.	" " <i>parrak</i> (Day)	... "
28.	" " <i>melanostigma</i> (Day)	... "
29.	" " <i>puckelli</i> (Day)	... "
30.	" " <i>amphibius</i> (Cuv. and Val.)	... "
31.	" " <i>conchoniis</i> (Ham.)	... "
*32.	" " <i>stigma</i> (Cuv. and Val.)	... "
*33.	" " <i>ticto</i> (Ham.)	... "
34.	" " <i>chrysopterus</i> (McClell.)	... "
35.	" " <i>hexastichus</i> (McClell.)	... "
36.	" " <i>bovanicus</i> (Day)	... "
*37.	<i>Labeo fimbriatus</i> (Bloch)	... Belzi
*38.	" <i>calbasu</i> (Ham.)	... Kavchi
*39.	" <i>boggut</i> (Sykes)	... Gauri
40.	" <i>kontiis</i> (Jerdon)	... Karchi
*41.	" <i>gonius</i> (Ham.)	... Khurse
42.	" <i>porcellus</i> (Heckel)	... Malia
*43.	" <i>rohita</i> (Ham.)	... Rohu
T* 44.	" <i>ariza</i> (Ham.)	... Bhagna
*45.	<i>Cirrhhina mrigala</i> (Ham.)	... Nagri
*46.	" <i>reba</i> (Ham.)	... Raiya
*47.	<i>Rohitee cotio</i> (Ham.)	... Gurda
*48.	<i>Catla catla</i> (Cuv. and Val.)	... Bavoos

	Scientific name	Local name
Family :	Cobitidae	
T* 49.	<i>Lepidocephalichthys guntea</i> (Ham.)	Chippi
T* 50.	" <i>thermalis</i> (Cuv. and Val.)	"
T* 51.	<i>Nemachilus botia</i>	Songujari
T* 52.	" <i>dayi</i> (Hora)	"
Order :	Microcyprini (Cyprinodontes)	
Sub-order :	Poecilioidea	
Family :	Cyprinodontidae	
Sub-family :	Fundulinae	
*53.	<i>Aplochilus panchax</i> (Ham.)	Dindiya
*54.	" <i>lineatus</i> (Cuv. & Val.)	"
Order :	Percomorphi	
Sub-order :	Percoidea	
Family :	Ambassidae	
*55.	<i>Ambassis nama</i> (Ham.)	Chanbijwa
*56.	" <i>ranga</i> (Ham.)	"
Sub-order :	Gobioidea	
Family :	Gobiidea	
*57.	<i>Glossogobius giuris</i> (Ham.)	Modu
58.	<i>Gobius striatus</i> (Day)	"
Sub-order :	Ophicephaloidea	
Family :	Ophicephalidae	
*59.	<i>Ophicephalus punctatus</i> (Bloch)	Kadwa
*60.	" <i>marulius</i> (Ham.)	Marel
Order :	Opisthomi	
Family :	Mastacembelidae	
*61.	<i>Mastacembelus armatus</i> (Lacep.)	Bam
*62.	" <i>pancalus</i> (Ham.)	"

* These specimens were identified by the author.

T* These specimens are recorded for the first time.

REFERENCES

- ¹ Bulletin No. III Dept. of Fisheries, Baroda State. 1939.
- ² Bulletin No. IV Dept. of Fisheries, Baroda State. 1943.
- ³ Annual report of the Dept. of Fisheries, Baroda State, 1937-38.
- ⁴ Annual report of the Dept. of Fisheries, Baroda State, 1938-39.
- ⁵ Annual report of the Dept. of Fisheries, Baroda State, 1939-40.